



January 6, 2012

Bogh Construction  
Street: 401 W 4th St  
Beaumont, Ca 92223-2613

Project: Jefferson Trail Middle School  
Irvine, CA

Regarding: Bee holes

During the casting of the products in concern we vibrated the product extensively. We used every method we could to minimize bee holes in the underside of the cap. We manually worked the sides of the mold to help the air and water to escape. The design of the sign had the cap returning down the sides and underneath the sign therefore showing the bottom of the cap that retains the air and water during production.

Attached are several documents regarding bug holes. I have enclosed information sent to us from the National Precast Concrete Association regarding color variation and texture.

The word document named those little buggers explains why we have bug holes in precast. This document was written by me. The brief description of bug holes is based on my experience casting precast and information collected from the National Precast Concrete Institution.

The surface aesthetics document pages 100, 101, 138, & 139 refer to color and texture. Pages 138 & 139 mention finishes that relates to bug holes.

The NPCI document Acceptance of Architectural Precast and Cast Stone relates mostly to color variations. On page 3 of 5 the last two paragraphs mention variation in texture relating to the downward face of the mold and side of the mold. The pour side of the mold is the bottom of the cast unit therefore the face of the product is the bottom of the mold that will be more consolidated during vibration than the sides (bullnose) of the product that will retain the air and water.

The terms and condition document that relates to color and textures attached to SCPC proposals.

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